



FIELD VIDEO LARYNGOSCOPE (RES-Q-SCOPE)

ABSTRACT

A multiple function hand held laryngoscope two pieces functional unit to be used for the safe intubation of a patient's trachea during a respiratory emergency or as an elective procedure. A two functional sections portable video laryngoscope. Proximally, a reusable handle housing a rechargeable battery, electronic circuitry which feeds a distal digital image to a hinge and swivel position LCD (Liquid Crystal Display) screen, switches and video output for intubation documentation and battery safety status indicator. Distally, the handle electrically connects with a disposable curved scabbard becoming a functional assembly, which comprises a CMOS (Complementary Metal Oxide Semiconductor) digital imaging system transporting a distant wide field of view image to a remote and external LCD (Liquid Crystal Display) miniature screen, a LED cool bright light, a distally open suction channel or alternatively oxygen delivery channel and a dorsal endotracheal tube channel with a curvature's length dorsal slit opening, said incompletely formed channel allows initial preloading with bend pressure applied to the flexible endotracheal tube, and subsequent gentle extraction of different size endotracheal tubes once the patient's trachea has been properly intubated, said scabbard's distal end is shaped as an extension sweeper that engages and holds the epiglottis exposing the glottis for intubation, safe LCD view of one or serial rapid intubations, with minimal force or traumatized patients with protective collar, are possible by rapidly replacing disposable scabbard and endotracheal tube, in case of multiple emergencies.